

a second bitmap configured to store image information to be transmitted to said second monitor,

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wherein said video driver is configured to compare said first and second bitmaps to determine whether or not a first portion of an image displayed on said second monitor is to be modified and a second portion of said image displayed on said second monitor is to be left unmodified,

wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor. --

REMARKS

Claims 1-19 are pending. Claims 1 and 18 have been amended. New claim 19 has been added. No claim has been canceled.

Claims 1-5, 8, 9 and 18 were rejected under 35 U.S.C. § 102(e) as being anticipated by Lee. Applicants respectfully traverse the rejection. Claim 1 recites, among other features, "a first memory configured to store image information transmitted to said second monitor; a second memory configured to store image information to be transmitted to said second monitor; and a video driver in said host computer for providing a portion of a display on said first monitor to said second monitor, said video driver being operable to compare said first and second memories to determine whether or not a first portion of an image displayed on said second monitor is to be modified/ and a second portion of said image displayed on said second monitor is to be left unmodified, wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor."

Lee does not disclose the above recited features. Lee does not disclose "the first memory" and "the second memory" in the manner claimed. It also does not disclose "the video driver" that is operable to compare the image information in the first and second memories, so that data corresponding to a modified portion of the image is

transmitted to "the second monitor" and data corresponding to an unmodified portion of the image is not transmitted. Therefore, claim 1 and its dependent claims are allowable at least for these reasons.

In addition, claim 2 recites, "a shared peripheral bus connected between said host computer and said second monitor." Lee does not disclose this recited feature. A shared peripheral bus enables a plurality of peripheral devices to be coupled to that bus, unlike a traditional serial bus that is dedicated to a given peripheral device. The Examiner indicated that the features of claim 2 is disclosed in Fig. 2 of Lee. Applicants respectfully note that the bus in Fig. 2, referred to by the Examiner, is an internal computer bus, not "a shared peripheral bus," such as a universal serial bus. Accordingly, claim 2 is allowable for this additional reason.

Claim 18 recites, "...said second display screen comprising: a display controller coupled to said second display screen; a video memory coupled to said display controller; a bus interface, coupled to said video memory, for providing an interface with a shared peripheral bus; and a power input connected to said bus so that the power for said second display screen is derived from said shared peripheral bus."

Lee does not disclose "said second display screen comprising: a display controller coupled to said second display screen; a video memory coupled to said display controller." The Examiner stated that these features are disclosed in Fig. 2 of Lee, i.e., the display controllers 216 and 218 and RAM 206. Applicants respectfully note these devices are provided in the computer body 20, not in the auxiliary display device 24.

In addition, Lee does not disclose the "bus interface...for providing an interface with a shared peripheral bus" and the "power input connected to said bus so that the power for said second display screen is derived from said shared peripheral bus." Therefore, claim 18 is allowable at least for these reasons.

Claim 10 was rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee. Applicants respectfully traverse the rejection. Claim 10 depends from claim 1 and is allowable at least for this reason.

Claims 11-14 were rejected under 35 U.S.C. § 103(a) as being unpatentable over Lee as applied to claim 1 and further in view of Grossman et al. Applicants respectfully traverse the rejection. These claims depend from claim 1 and are allowable at least for the reasons claim 1 is allowable.

Claim 7 was rejected under 35 U.S.C. 103(a) as being unpatentable over Lee as applied to claim 1 and further in view of Craig. Applicants respectfully traverse the rejection. Claim 7 depends from claim 1 and is allowable at least for the reasons claim 1 is allowable.

Claims 15-17 were rejected under 35 U.S.C. 103(a) as being unpatentable over Lee as applied to claim 1 in view of Grossman et al., and further in view of Craig. Applicants respectfully traverse the rejection. Claim 15 is directed to a monitor system and recites, "... said second monitor including a display screen on said second monitor of less than 8.5 inches diagonally; a display controller connected to said display screen, a video memory connected to said display controller, a bus interface connected to said video memory, and a power input connected to said bus so that the power for said second monitor is derived from said shared peripheral bus." None of the cited references disclose or suggest a "second monitor" having above recited features.

Claim 15 also recites, "a compression unit in said host computer for compressing said portion of said display for transmission to said second monitor." Lee does not appear to disclose or suggest a need for compressing data being provided to its auxiliary display device. Accordingly, there is no motivation to combine Lee with Craig. Therefore, claim 15 and its dependent claims are allowable at least for the reasons above.

CONCLUSION

In view of the foregoing, Applicants believe all claims now pending in this Application are in condition for allowance. The issuance of a formal Notice of Allowance at an early date is respectfully requested.

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PATENT

If the Examiner believes a telephone conference would expedite prosecution of this application, please telephone the undersigned at 650-326-2400.

Respectfully submitted,


Steve Y. Cho
Reg. No. 44,612

TOWNSEND and TOWNSEND and CREW LLP
Two Embarcadero Center, 8th Floor
San Francisco, California 94111-3834
Tel: 650-326-2400
Fax: 415-576-0300
SYC:syc
PA 3278718 v1

VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

All pending claims have been provided below for the Examiner's convenience. The claims have been amended as indicated below:

1. (Amended) A monitor system comprising:
a host computer;
a first monitor connected to said host computer;
a second monitor, separate and unattached to said first monitor and smaller than said first monitor; [and]

a first memory configured to store image information transmitted to said second monitor;

a second memory configured to store image information to be transmitted to said second monitor; and

a video driver in said host computer for providing a portion of a display on said first monitor to said second monitor, said video driver being operable to compare said first and second memories to determine whether or not a first portion of an image displayed on said second monitor is to be modified and a second portion of said image displayed on said second monitor is to be left unmodified,

wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor.

2. The system of claim 1 further comprising a shared peripheral bus connected between said host computer and said second monitor.

3. The system of claim 2 wherein said second monitor is powered by said shared peripheral bus.

4. The system of claim 2 wherein said shared peripheral bus is a universal serial bus.

5. The system of claim 1 wherein said portion of a display comprises a separate window from said first monitor.

6. The system of claim 1 wherein said portion of a display is provided only to said second monitor.

7. The system of claim 1 further comprising a compression unit for compressing said portion of said display for transmission to said second monitor.

8. The system of claim 1 further comprising a software operating system controlling said first computer, said operating system controlling the transmission of video data to said second monitor.

9. The system of claim 1 wherein said second monitor includes:
a display screen;
a display controller coupled to said display screen;
a video memory coupled to said display controller; and
a bus interface coupled to said video memory.

10. The system of claim 1 wherein a display screen on said second monitor is less than 8.5 inches diagonally.

11. The system of claim 1 wherein said second monitor includes a touch screen.

12. The system of claim 1 wherein said second monitor includes icons for control of a display on said first monitor.

13. The system of claim 1 wherein said second monitor includes a transmission capability for providing data to said computer on the activation of buttons or icons on said second monitor.

14. The system of claim 13 wherein said transmission capability is wireless.

15. A monitor system comprising:
a host computer;
a shared peripheral bus connected to said host computer;
a first monitor connected to said host computer;
a second monitor, smaller than said first monitor, connected to said shared peripheral bus, said second monitor including
a display screen on said second monitor of less than 8.5 inches diagonally;
a display controller connected to said display screen,
a video memory connected to said display controller,
a bus interface connected to said video memory, and
a power input connected to said bus so that the power for said second monitor is derived from said shared peripheral bus;
a compression unit in said host computer for compressing said portion of said display for transmission to said second monitor;
a video driver in said host computer for providing a separate window of a display to said second monitor and not to said first monitor.

16. The system of claim 15 wherein said shared peripheral bus is a universal serial bus.

17. The system of claim 15 further comprising a software operating system controlling said first computer, said operating system controlling the transmission of video data to said second monitor.

18. (Amended) An apparatus comprising:

a second display screen for connection to a host computer having a first display screen, said second display screen being separate and unattached to said first display screen and smaller than said first display screen, said second display screen comprising:

a display controller coupled to said second display screen;

a video memory coupled to said display controller; [and]

a bus interface, coupled to said video memory, for providing an interface with a shared peripheral bus; and

a power input connected to said bus so that the power for said second display screen is derived from said shared peripheral bus.

The following new claim has been added:

-- 19. (New) The system of claim 15, further comprising:

a first bitmap configured to store image information transmitted to said second monitor; and

a second bitmap configured to store image information to be transmitted to said second monitor,

wherein said video driver is configured to compare said first and second bitmaps to determine whether or not a first portion of an image displayed on said second monitor is to be modified and a second portion of said image displayed on said second monitor is to be left unmodified,

wherein image data corresponding to said first portion of said image are transmitted to said second monitor and image data corresponding to said second portion of said image are not transmitted to said second monitor. --